

# Air curtain PL2500



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PL2500 creates a temperature dividing air barrier that effectively prevents cold draughts and gives excellent heating comfort inside the door.

Air curtains save energy. The air barrier reduces energy losses through the door opening and the energy consumption of the air curtain is also low.

PL2500 has a modern and stylish design developed to fit all entrances. The air curtain is available for horizontal installation.

## Product facts

- Installation height up to 2,5 metres.
- Integrated control system PLS with pre-programmed default settings.
- The front is easy to remove, which facilitates installation and allows easy maintenance.
- Corrosion proof housing made of hot zinc-plate and powder enamelled steel panels. Colour front and ends: RAL 9016, NCS S 0500-N (white). Colour grille and rear section: RAL 7046 (grey).

## Control system PLS



PLSUB1

### PLS Basic

- Manual regulation of the fan and temperature
- Automatic control of fan speed and temperature with integrated thermostat.

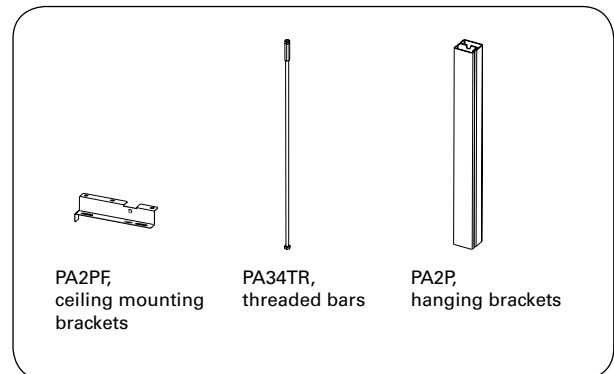


PLSUA1

### PLS Competent

- All functions for Basic
- Calendar function
- Filter sensor
- Simple BMS control - on/off, fan speed and alarm functions
- Flexible mode - for doors that open and close frequently
- Open mode - for doors that stay open

## Accessories

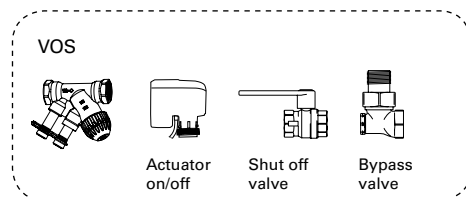


PA2PF, ceiling mounting brackets

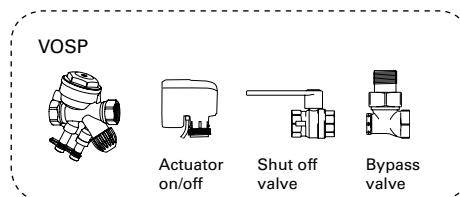
PA34TR, threaded bars

PA2P, hanging brackets

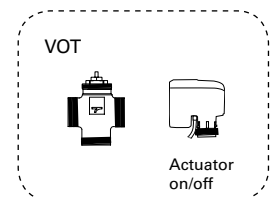
## Water control



VOS, valve kit on/off

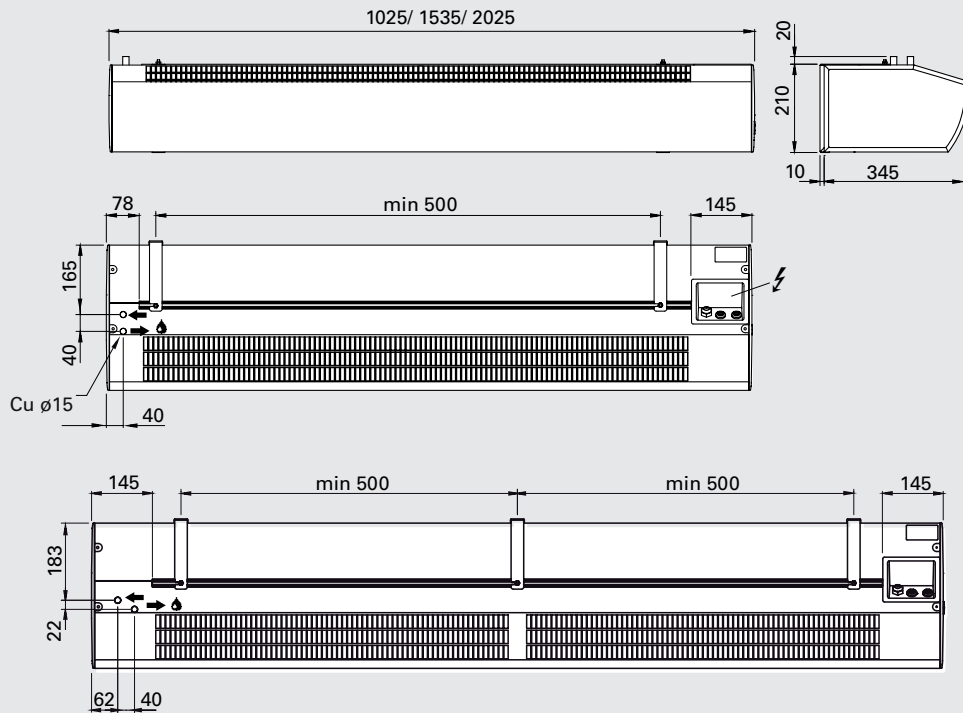


VOSP, pressure independent valve kit on/off



VOT, three way control valve and actuator on/off

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## PL2500 E with electrical heat, IP20

Type	Output steps [kW]	Airflow* <sup>1</sup> [m <sup>3</sup> /h]	$\Delta t$ * <sup>3</sup> [°C]	Sound level* <sup>2</sup> [dB(A)]	Voltage motor [V]	Amperage motor [A]	Voltage [V] Amperage [A] (heat)	Length [mm]	Weight [kg]
PL2510E08	3/5/8	900/1450	27/16,5	42/51	230V~	0,5	400V3~/11,5	1025	20
PL2515E12	3,9/8/12	1400/2200	26/16,5	40/52	230V~	0,7	400V3~/17,3	1535	32
PL2520E16	6/10/16	1800/2900	27/16,5	43/53	230V~	1,0	400V3~/23,1	2025	40

## PL2500 W with water heat, IP21

Type	Output* <sup>4</sup> [kW]	Airflow* <sup>1</sup> [m <sup>3</sup> /h]	$\Delta t$ * <sup>3,4</sup> [°C]	Water volume [l]	Sound level* <sup>2</sup> [dB(A)]	Voltage motor [V]	Amperage motor [A]	Length [mm]	Weight [kg]
PL2510W	4,7	900/1300	12/11	0,71	42/53	230V~	0,45	1025	17,5
PL2515W	9,2	1250/2100	16/13	1,09	41/54	230V~	0,6	1535	26
PL2520W	11,5	1800/2600	15/13	1,42	43/55	230V~	0,9	2025	35

\*<sup>1</sup>) Lowest/highest airflow of totally 3 fan steps.

\*<sup>2</sup>) Conditions: Distance to the unit 5 metres. Directional factor: 2. Equivalent absorption area: 200 m<sup>2</sup>. At lowest/highest airflow.

\*<sup>3</sup>)  $\Delta t$  = temperature rise of passing air at maximum heat output and lowest/highest airflow.

\*<sup>4</sup>) Applicable at water temperature 60/40 °C, air temperature, in +18 °C.